

## ABSTRACT

A hydroxyapatite complex includes a hydroxyapatite sintered compact that is chemically bonded to a polymer-based material containing at least one functional group selected from a group consisting of an isocyanate group and an alkoxysilyl group, wherein: the hydroxyapatite sintered compact is reacted with the functional group of the polymer-based material. This arrangement allows manufacturing of a hydroxyapatite complex without a chemical pre-treatment of the hydroxyapatite sintered compact.